

D-BASS AMPLIFIER DB-700	
SPECIFICATIONS	
Rated Power Output	250 W / 8 Ω
Nominal Input Level (@1KHz)	INPUT HIGH: -30 dBm/1 MΩ, INPUT LOW: -20 dBm/300 kΩ (AMP TYPE: SOLID STATE)
	INSERT RETURN: +4 dBm
Nominal Output Level	BALANCED DI: +4 dBm, INSERT SEND: +4 dBm, LINE OUT (XLR): +4 dBm, LINE OUT (PHONE): +4 dBm
Speakers	38 cm (15 inches) X 1
	Horn Tweeter X 1
Memory	A, B (2 memories)
Controls	AMPLIFIER TYPE <Switch (3 types), GAIN Knob, VOLUME Knob, COMPRESSION Knob>
	SHAPE Switch
	EQUALIZER <BASS Knob, MIDDLE LEVEL Knob, MIDDLE FREQUENCY Knob, TREBLE Knob>
	D-CHORUS <INTENSITY Knob (with switch)>
	MASTER Knob
	PROGRAM <MANUAL Button, A Button, B Button, WRITE Button>
	POWER Switch
	GND LIFT Switch
Indicators	POWER INJECTION (2 colors)
	D-CHORUS
	POWER
Connectors	INPUT Jacks <HIGH, LOW>
	HEADPHONE Jack
	BALANCED DI Connector
	INSERT Jacks <SEND, RETURN>
	LINE OUT Jacks <XLR type balanced, 1/4" TRS Phone type balanced>
	FOOT SWITCH Jacks <TIP: A/B RING: MANUAL, CHORUS>
Power Supply	AC 117 V/230 V/240 V
Power Consumption	290 W
Dimensions	578 (W) X 407 (D) X 598 (H) mm 22-13/16 (W) X 16-1/16 (D) X 23-9/16 (H) inches (Include casters)
Weights	34.0 kg / 75 lbs
Accessories	Casters (x4)

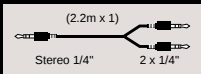
* 0 dBm=0.775 Vrms

Options

Foot Switch
FS-5L



Footswitch Cable
PCS-31



The Technology Behind the Tone: The D-Bass Amp presents today's demanding bassists with an appealing combination of compact size, amazing punch and incredible tone. It derives these qualities directly from two Roland-created digital technologies: Feed Forward Processing (FFP) and COSM amp modeling.

FFP technology allows the digitally controlled D-Bass Amp to precisely predict and adjust the response characteristics of amplifier and speaker output before the bass signal reaches them. This ability to "sense" incoming signals and adjust for them in advance greatly improves the D-Bass Amp's efficiency, allowing it to produce a clear, responsive, and very powerful-sounding output far beyond its conservative power rating.

On the other hand, COSM amp modeling enables D-Bass Amp users to select from Solid State, Tube and Tube Drive bass preamp models and modeled tube compression for getting just the right tone. The tube-style compression gives the D-Bass Amp a tight, punchy sound even with pop and slap-style playing, and can be applied to high frequencies only with the Shape switch.



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D-BASS AMPLIFIER DB-500

SPECIFICATIONS	
Rated Power Output	160 W / 8 Ω
Nominal Input Level (@1KHz)	INPUT HIGH: -30 dBm/1 MΩ, INPUT LOW: -20 dBm/300 kΩ (AMP TYPE: SOLID STATE)
	INSERT RETURN: +4 dBm
Nominal Output Level	BALANCED DI: +4 dBm, INSERT SEND: +4 dBm, LINE OUT (XLR): +4 dBm, LINE OUT (PHONE): +4 dBm
Speakers	30 cm (12 inches) X 1
	Horn Tweeter X 1
Memory	A, B (2 memories)
Controls	AMPLIFIER TYPE <Switch (3 types), GAIN Knob, VOLUME Knob, COMPRESSION Knob>
	SHAPE Switch
	EQUALIZER <BASS Knob, MIDDLE LEVEL Knob, MIDDLE FREQUENCY Knob, TREBLE Knob>
	D-CHORUS <INTENSITY Knob (with switch)>
	MASTER Knob
	PROGRAM <MANUAL Button, A Button, B Button, WRITE Button>
	POWER Switch
	GND LIFT Switch
Indicators	POWER INJECTION (2 colors)
	D-CHORUS
	POWER
Connectors	INPUT Jacks <HIGH, LOW>
	HEADPHONE Jack
	BALANCED DI Connector
	INSERT Jacks <SEND, RETURN>
	LINE OUT Jacks <XLR type balanced, 1/4" TRS Phone type balanced>
	FOOT SWITCH Jacks <TIP: A/B RING: MANUAL, CHORUS>
Power Supply	AC 117 V/230 V/240 V
Power Consumption	150 W
Dimensions	515 (W) X 335 (D) X 485 (H) mm 20-1/4 (W) X 113-1/8 (D) X 19-1/8 (H) inches
Weights	23.5 kg / 51 lbs 13 oz

* 0 dBm=0.775 Vrms

Roland®

D-BASS AMPLIFIER DB



D-BASS AMPLIFIER DB-700

D-BASS AMPLIFIER DB-500

Feel the Power.

D-BASS AMPLIFIER

DB

The Roland D-Bass Amplifiers are the world's first digital bass amps, giving you a wide range of killer tones, digital program memories and incredibly clean, punchy output in an amazingly compact design. Available in both 250-watt/15"speaker (DB-700) and 160-watt/12"speaker (DB-500) configurations, the D-Bass Amps' incredible bass tones can be tweaked with EQ, compression and "D-Chorus," saved into digital program memories, and instantly recalled via footswitch.

D-BASS AMPLIFIER DB-500

- Digital modeling bass amplifier with Feed Forward Processing (FFP)
- COSM modeling recreates the best Solid State, Tube and Tube Drive sounds
- 160-watt output using 12"speaker and high-efficiency horn tweeter

D-BASS AMPLIFIER DB-700

- Digital modeling bass amplifier with Feed Forward Processing (FFP)
- COSM modeling recreates the best Solid State, Tube and Tube Drive sounds
- Powerful 250-watt amplifier with 15"speaker and high-efficiency tweeter

Big Output in a Compact Package

The secret to the D-Bass Amps' high output is Roland's FFP amplifier technology. Using FFP, the compact, digitally controlled D-Bass Amplifiers can precisely predict and adjust the response characteristics of amplifier and

speaker output before the bass signal reaches them. The result is a significant increase in efficiency over conventional amplifiers—which feed the output back to the input—allowing the D-Bass Amps to produce a clean, responsive, and surprisingly loud output far beyond their conservative power ratings; just one listen will prove this point beyond any doubt.



COSM Amp Modeling Inside

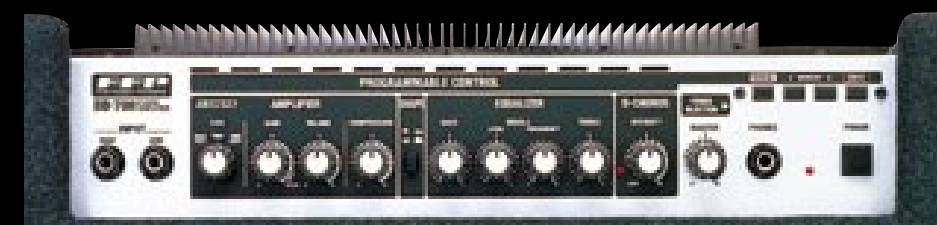
Improving amplifier efficiency is only half the D-Bass story; these amplifiers also incorporate Roland's COSM technology to deliver a range of exceptional bass tones. Through COSM amp modeling, Roland has recreated the best modern and vintage Solid State, Tube and Tube Drive (Overdriven) amp sounds and natural tube compression effects. Not merely sets of EQ curves, these sonic "models" can mathematically represent all the unique characteristics of the amp chosen. Thanks to COSM, there's never been a more flexible bass combo amp.

Analog-Style Control

Though their functions are actually quite sophisticated, D-Bass Amplifiers' knob-based controls make dialing in just the right tone simple and intuitive. A three-band EQ section offers separate Bass and Treble adjustment, plus parametric midrange with Frequency and Level controls.

A split-frequency, dynamics-sensitive "D-Chorus" effect applies rich chorusing to upper frequencies without muddying the all-important low end. And when you've created

the sound you're after, simply store your front panel settings into A and B program memories for instant recall via footswitch.



Built to Last

The D-Bass Amplifiers are crafted with premium components for years of rugged reliability. Recessed side handles and heavy-duty casters make them perfect for the road. A high-quality

DI connector (XLR-type) is included for direct connection to PA systems or recording equipment, while additional XLR and 1/4" line outs—plus a dedicated insert jack and headphone jack—are perfect for PA systems, recording or practice.

